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| Notice of Allowability | Application No. | Applicant(s) | |
| | 10/707,803 | LEE ET AL. | |
| | Examiner | Art Unit | |
| | Linh V. Nguyen | 2819 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/6/06.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date <u>4/25/06</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

1. This office action is in response to communication filed on 6/6/06. Claims 1 – 6 have been amended. Claims 1 – 21 are pending on this application.

Allowable Subject Matter

2. Claims 1- 21 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claim 1, in addition to other elements in the claim, the prior art considered individual or in combination, fails to fairly show or suggest a circuit comprising: first and second input impedances are controlled by a first and second control signals respectively, so that the resistances of the first and second input impedances are substantially different from each other and are close to each other.

With respect to claim 7, in addition to other elements in the claim, the prior art considered individual or in combination, fails to fairly show or suggest a circuit comprising: the third input impedance being substantially equivalent to the second input impedance; and the fourth input impedance being substantially equivalent to the first input impedance; wherein resistance of the first and second input impedances are controlled by a first and second control signals respectively.

With respect to claim 14, in addition to other elements in the claim, the prior art considered individual or in combination, fails to fairly show or suggest a circuit comprising: first and second output impedances are controlled by a first and second

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control signals respectively, wherein the resistance of the first and second output impedances are close to each other.

With respect to claim 19, in addition to other elements in each respective claim, the prior art considered individual or in combination, fails to fairly show or suggest a circuit having third input impedance coupled between the negative input end and a second input signal, the third input impedance being substantially equivalent to the second input impedance; a fourth input impedance coupled between the positive input end and the second input signal, a third output impedance coupled between the positive input end and the positive output end; and a fourth output impedance coupled between the positive input end and the negative output end, the fourth output impedance being substantially equivalent to the first output impedance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Contact Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh Van Nguyen whose telephone number is (571)

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272-1810. The examiner can normally be reached from 8:30 – 5:00 Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Rexford Barnie can be reached at (571) 272-7492. The fax phone numbers for the organization where this application or proceeding is assigned are (571-273-8300) for regular communications and (571-273-8300) for After Final communications.

LINH NGUYEN
PRIMARY EXAMINER

6/6/06

Linh Van Nguyen

A handwritten signature in black ink, appearing to read 'Linh Van Nguyen', is written over the printed name.

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